

Word Problems - No Problem!

Karen K. Campbell Page County Public Schools

Curriculum Area	Mathematics					
Subject Area	Problem-Solving					
Grade Level	3 rd Grade					
Learning Objectives						
Learning Objectives	• The student will create problems involving multiplication.					
	The student will solve problems involving multiplication. The student will solve problems involving multiplication.					
<u> </u>	The student will recall the multiplication facts through the nines table.					
Correlation to the	Math 3.9, 3.10					
SOL	English 3.1, 3.2					
	C/T 5.2, 5.4					
Video/Technology	For class:					
Hardware/Software	Multimedia computer with Internet connection					
Needed	Computer Projection System					
	For each student:					
	Multimedia computer connected to a printer					
	Drawing software (such as KidPix or ClarisWorks)					
	Presentation software (such as <i>KidPix</i> or <i>HyperStudio</i>)					
	Web Site:					
	Math for Kids: A Medieval Adventure in Problem Solving					
	http://tgjunior.thinkquest.org/4471					
Materials Required	For each student:					
•	Teacher-created worksheet of simple multiplication word problems					
	Teacher-created storyboard worksheet with three spaces					
Procedures/Activities	1. Review problem solving techniques with the students using a computer					
	projection system and the Math for Kids: A Medieval Adventure in Problem					
	Solving Web site. Work through the steps of solving problem #13 with the					
	class. The class can work through additional problems together. (Note:					
	Problems 10, 16, 18, and 22 also deal with multiplication.) Discuss strategie					
	for problem solving.					
	2. Give students the teacher-created worksheet of simple word problems					
	involving multiplication. Divide the class into small learning groups and					

	students solve the problems.				
	Math: Share the slide programs/booklet with other classes, having those				
Extensions Language Arts: To continue the use of <i>KidPix</i> presentation software simple book report using the slide show feature and present it to the continue the use of <i>KidPix</i> presentation software simple book report using the slide show feature and present it to the continue the use of <i>KidPix</i> presentation software simple book report using the slide show feature and present it to the continue the use of <i>KidPix</i> presentation software simple book report using the slide show feature and present it to the continue the use of <i>KidPix</i> presentation software simple book report using the slide show feature and present it to the continue the use of <i>KidPix</i> presentation software simple book report using the slide show feature and present it to the continue the use of <i>KidPix</i> presentation software simple book report using the slide show feature and present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to the continue the use of <i>KidPix</i> present it to					
Assessment	The second of th				
Integration					
Technology	See attached rubric				
	using the correct unit.				
	correctly writing problem, one point for the correct solution, and one point for				
Content Assessment	Assess each word problem based on the following criteria: One point for				
	and solve problems (with a grease pen).				
	laminate them, and compile them into a booklet that students can use to read				
	11. Discuss practical uses of multiplication.12. The teacher may also print the first slide from each student's problem,				
	verify the answer by showing the last slide.				
	problem to the class, giving the class time to solve the problem. They then				
	10. After completing the slide show, each child could then present his/her				
	as needed.				
	students in creating a slide presentation, importing the graphics they created				
	9. After the students have become comfortable with the software, assist the				
	making sure to use and reinforce the correct terminology.				
	introducing the students to the various tools and demonstrating what they do,				
	8. If students have not used the available drawing program, spend time				
	7. Have each student write their problem on the teacher-created storyboard worksheet so they can pre-plan their slide show.				
	illustrated.)				
	printout of the different stamps to give them some ideas that could easily be				
	math problem. (Note: If using KidPix, it may be helpful to give students a				
	6. Have students brainstorm different things about which they could write a				
	with students.				
	did he buy? Second: $1 \times 5 =$; Third: $1 \times 5 =$ 5). Review the evaluation rubric				
	third slide will state the solution (and illustration) (e.g., First: Tommy bought a Matchbox car for each of his friends. He has five friends. How many cars				
	second slide will state the problem with numbers (and illustration), and the				
	presentation. The 1 st slide will state the problem in words and illustrate it, the				
	how to create a slide show. Explain that they will be creating a three-slide				
	introduce them to <i>KidPix</i> or whichever software is available and show them				
	5. If students have not had previous experience with presentation software,				
	the class. Discuss ways of presenting their problems to the class.				
	4. Tell the students that they are going to write problems and share them with				
	the solution. Students should finish worksheets and turn them in to teacher.				
	stated correctly, have the correct solution, and must use the correct unit in				
	3. Go over solutions to some of the problems, emphasizing that in order to receive full credit for solving a problem the students must have the problem				
	evaluation. 3. Go over solutions to some of the problems, emphasizing that in order to				
	responsible for filling out their own worksheet, however, and turning it in for				

Slide Show Presentation Rubric:

	Excellent (4 pts.)	Well-done (3 pts.)	Average (2 pts.)	Poor (1 pt.)	Total
Technical	Three slides in proper order with nice transitions and other extras such as sound effects	Three slides in proper order with nice transitions	Three slides in proper order	Less than three slides or not in proper order	
Content	All required information is included with extra embellishments that do not take away from presentation	All required information is included	Most required information is included	Information is incomplete	
Creativity	Illustrations are clever and captivating; wording of problem is also clever	Illustrations are clever OR wording of problem is clever	Illustrations are appropriate AND wording is clear	Illustrations are inappropriate OR wording is unclear	